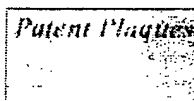




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JP9131305A2: FLUORESCENCE OBSERVATION ENDOSCOPE

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Country: **JP Japan**

Kind:

Inventor(s): **UTSUI TETSUYA
ADACHI RIYUUSUKE
UEDA HIROHISA
SANO HIROSHI**

Applicant(s): **ASAHI OPTICAL CO LTD**
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IPC Class: **A61B 1/04; A61B 1/00;**

Abstract: **Problem to be solved:** To provide a fluorescence observation endoscope allowing the optimum fluorescence observation by setting a prescribed difference between the longest wavelength of the light permeating an excitation light filter and shortest wavelength of the light permeating a fluorescence observation filter, and forming both filters having the transmission factor of a specific value or above.

Solution: An excitation light filter 12 is arranged in the illumination light path between a light source lamp 11 and an object, and a fluorescence observation filter 45 is arranged in the observation light path between the object and an observation section for observing the image of the object in this fluorescence observation endoscope. A difference 20-40nm is set between the longest wavelength in the wavelength region of the excitation light filter 12 having the transmission factor 10% or above and the shortest wavelength in the wavelength region of the fluorescence observation filter 45 having the transmission factor 10% or above. The longest wavelength in the wavelength region of the excitation light filter 12 having the transmission factor 10% or above is preferably set to 455-460nm, and the shortest wavelength in the wavelength region of the fluorescence observation filter 45 having the transmission factor 10% or above is preferably set to 480-495nm.

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